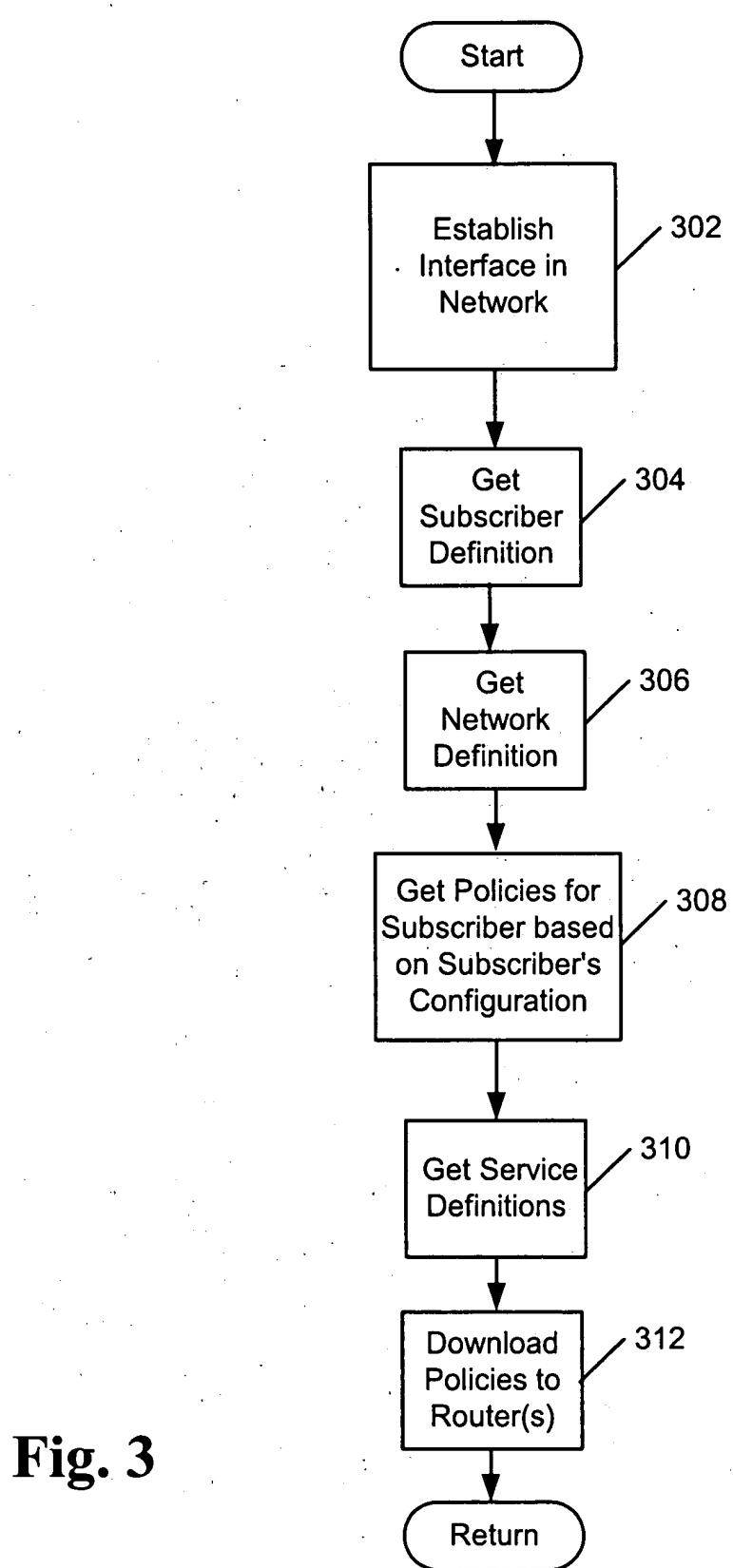


**FIG. 1**

Policy Rules	Description
PR1	Rate Limit 64kbps ftp traffic. Precedence 30
PR2	Forward Video teleconference. Precedence 10

**Fig. 2**



**Fig. 3**

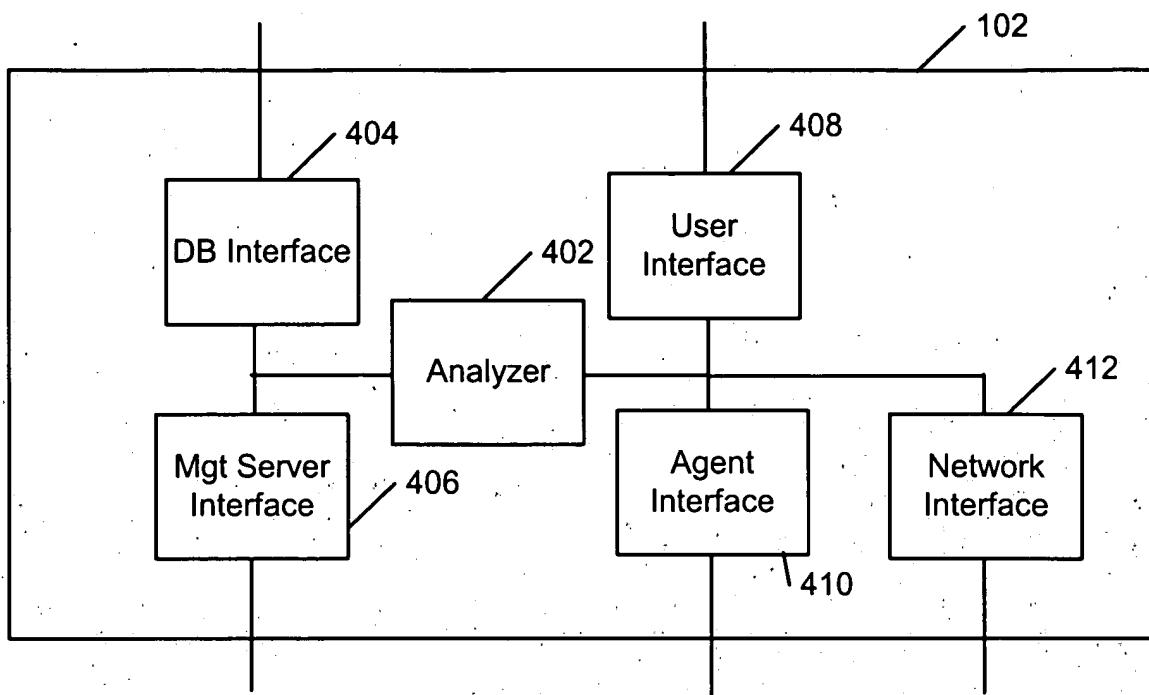


Fig. 4

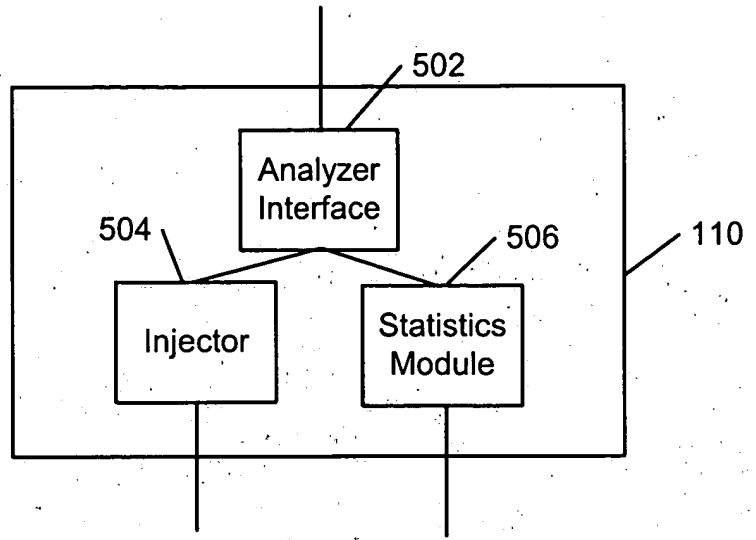
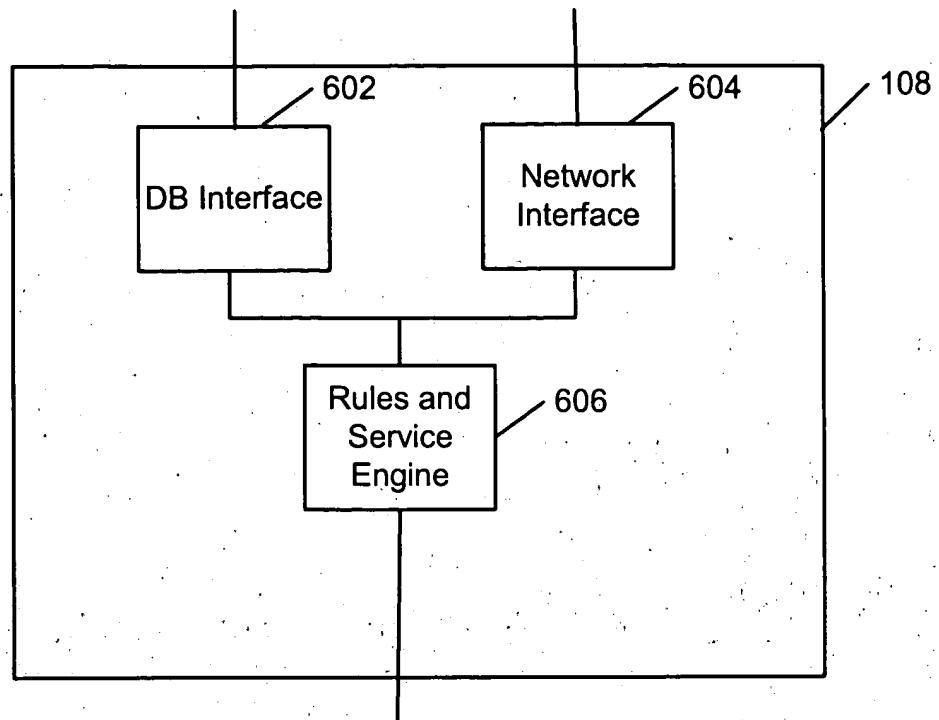
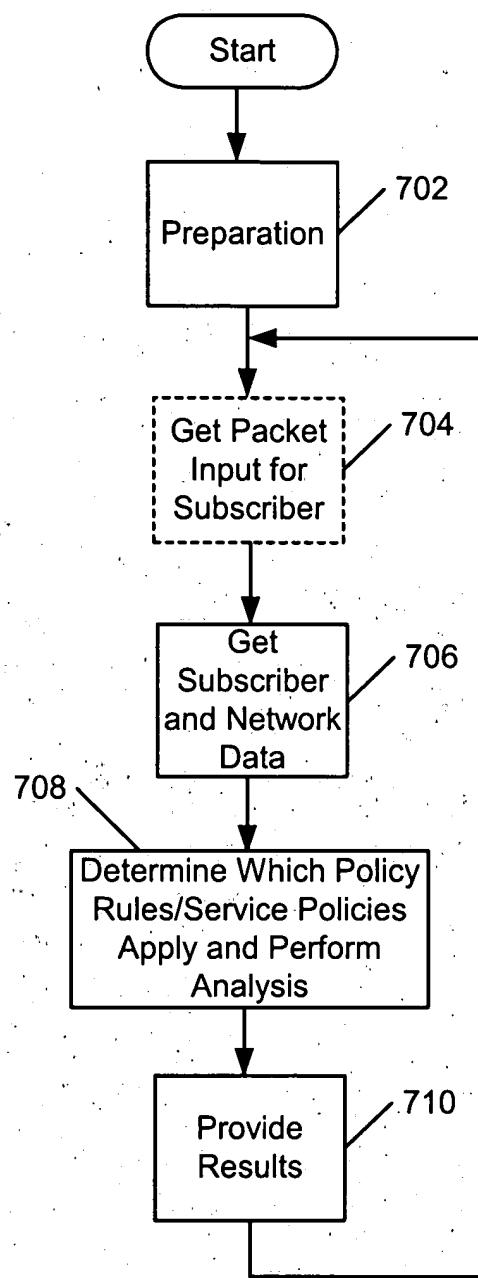


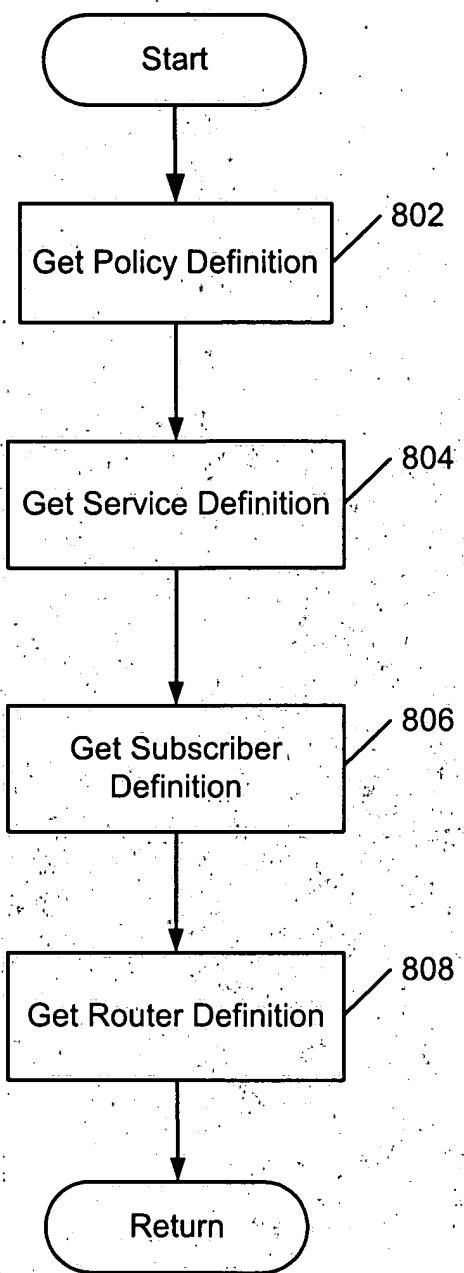
Fig. 5



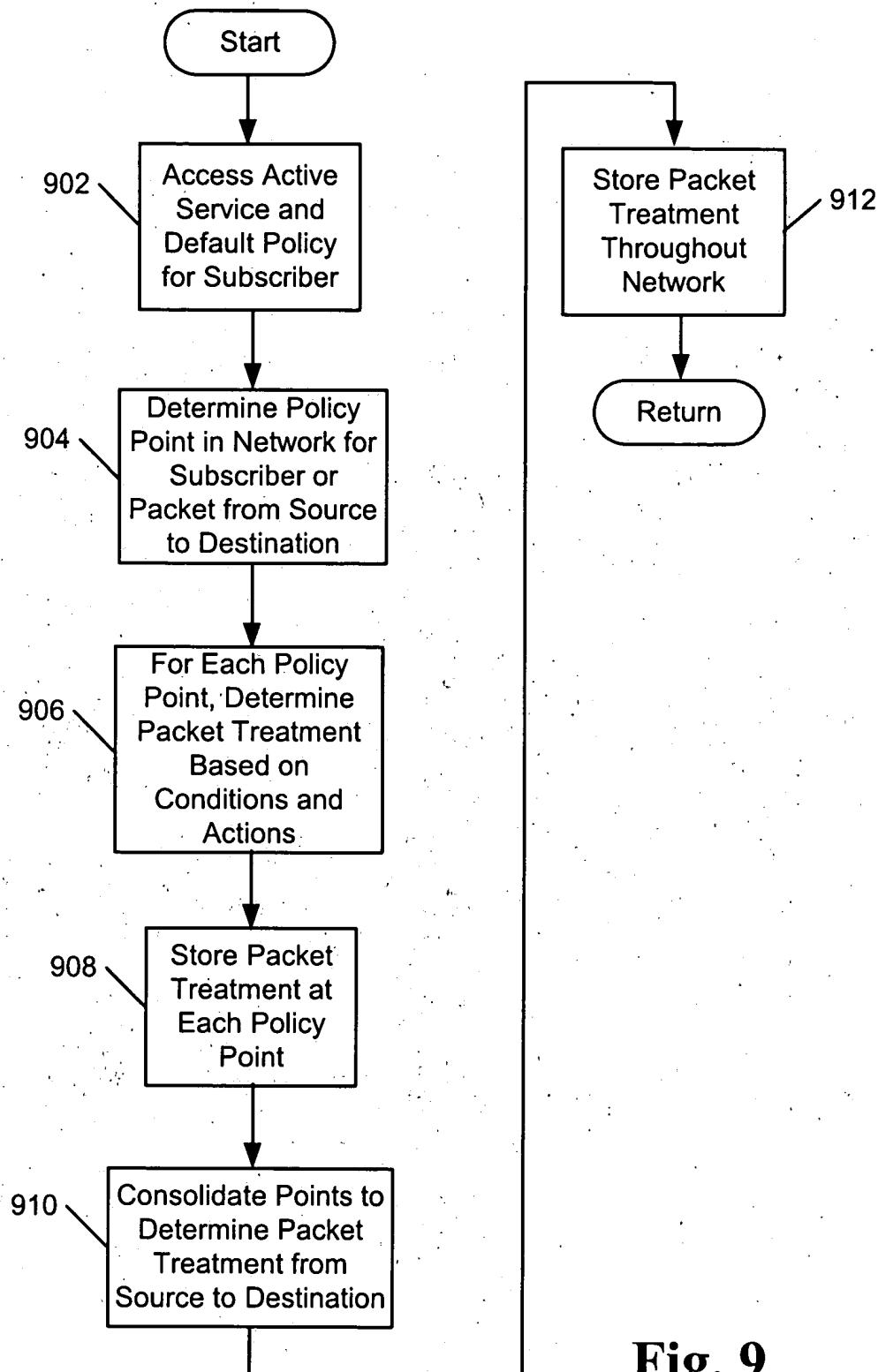
**Fig. 6**



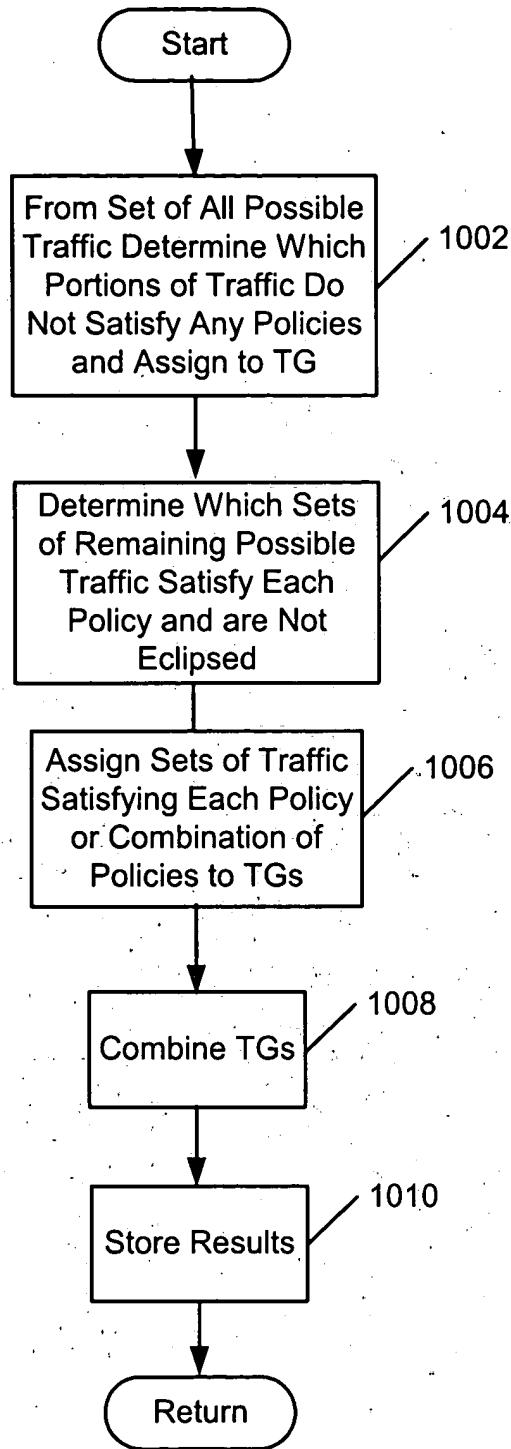
**Fig. 7**



**Fig. 8**



**Fig. 9**



**Fig. 10**

Policy Rules	Description
PR1	Rate Limit at 64 kbps FTP traffic. Precedence 30
PR2	Forward web traffic. Precedence 20
PR3	Forward ISP content server traffic. Precedence 10
PR4	Filter any traffic. Precedence 100

**Fig. 11**

Traffic Group	Description	Policy Rules with matching condition
TG1	FTP traffic not 10.10.10.0/24	[PR1]
TG2	www traffic not 10.10.10.0/24	[PR2]
TG3	10.10.10.0/24 traffic (including FTP and www)	[PR3]
TG4	Not FTP or WWW and not 10.10.10.0/24	[PR4]

**Fig. 12**

Policy Rules	Description
PR1	match 10.10.10.0/24 traffic
PR2	match 20.20.20.0/24 traffic
PR3	match 10.10.0.0/16 traffic

**Fig. 13**

Address Range	Policy Rules with Matching Conditions
0.0.0.0 - 10.9.255.255	[]
10.10.0.0 - 10.10.9.255	[PR3]
10.10.10.0 - 10.10.10.255	[PR1, PR3]
10.10.11.0 - 10.10.255.255	[PR3]
10.11.0.0 - 20.20.19.255	[]
20.20.20.0 - 20.20.20.255	[PR2]
20.20.21.0 - 255.255.255.255	[]

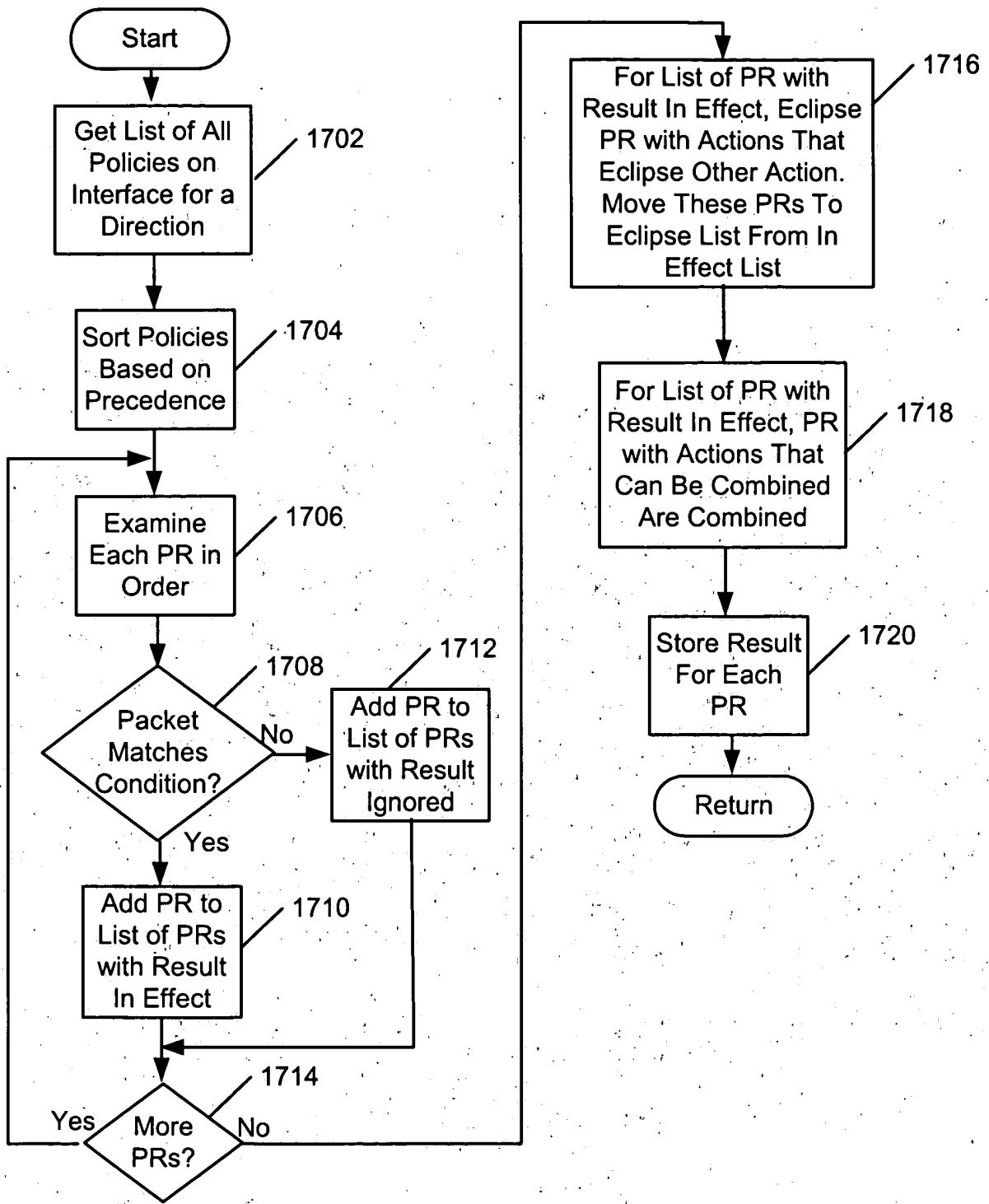
**Fig. 14**

TG	Address Range	Policy Rules with Matching Conditions
1	0.0.0.0 - 10.9.255.255	[]
2	10.10.0.0 - 10.10.9.255	[PR3]
3	10.10.10.0 - 10.10.10.255	[PR1, PR3]
2	10.10.11.0 - 10.10.255.255	[PR3]
1	10.11.0.0 - 20.20.19.255	[]
4	20.20.20.0 - 20.20.20.255	[PR2]
1	20.20.21.0 - 255.255.255.255	[]

**Fig. 15**

TG	Address Range	Policy Rules with Matching Conditions
1	0.0.0.0 - 10.9.255.255 10.11.0.0 - 20.20.19.255 20.20.21.0 - 255.255.255.255	[]
2	10.10.0.0 - 10.10.9.255 10.10.11.0 - 10.10.255.255	[PR3]
3	10.10.10.0 - 10.10.10.255	[PR1, PR3]
4	20.20.20.0 - 20.20.20.255	[PR2]

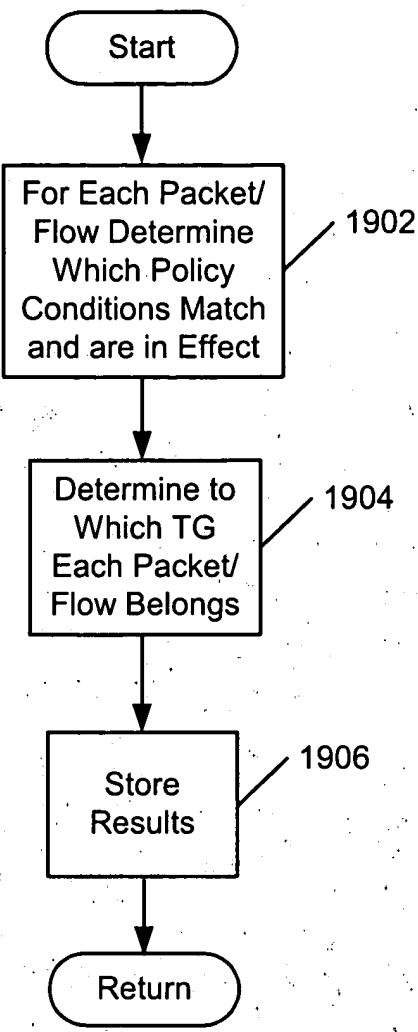
**Fig. 16**



**Fig. 17**

Service Session	PR	PRECEDENCE	SOURCE	DESTINATION	ACTION	Analysis	
						A1	A2
PPP	To cp1	300	any	?cp1	NextHop	Eclipsed	Ignored
PPP	To cp2	300	any	?cp2	NextHop	Ignored	Eclipsed
PPP	To SAE	500	any	?SAE	Forward	Ignored	Ignored
Be512	Internet	400	any	not ?cp1 and not ?cp2	Forward	Ignored	Ignored
CP1	Cp1	200	any	?cp1	RateLimitX	In Effect	Ignored
CP2	Cp2	200	any	?cp2	RateLimitY	Ignored	In Effect

Fig. 18



**Fig. 19**

Packet/Flow	Important/relevant characteristics of packet
A1	FTP traffic from 1.1.1.1
A2	www traffic from 1.1.1.1
A3	telnet traffic from 1.1.1.1 source port: telnet (23)
A4	SMTP traffic from 1.1.1.1
A5	A video packet from the ISP content server at 10.10.10.2 (server subnet is 10.10.10.0/24)

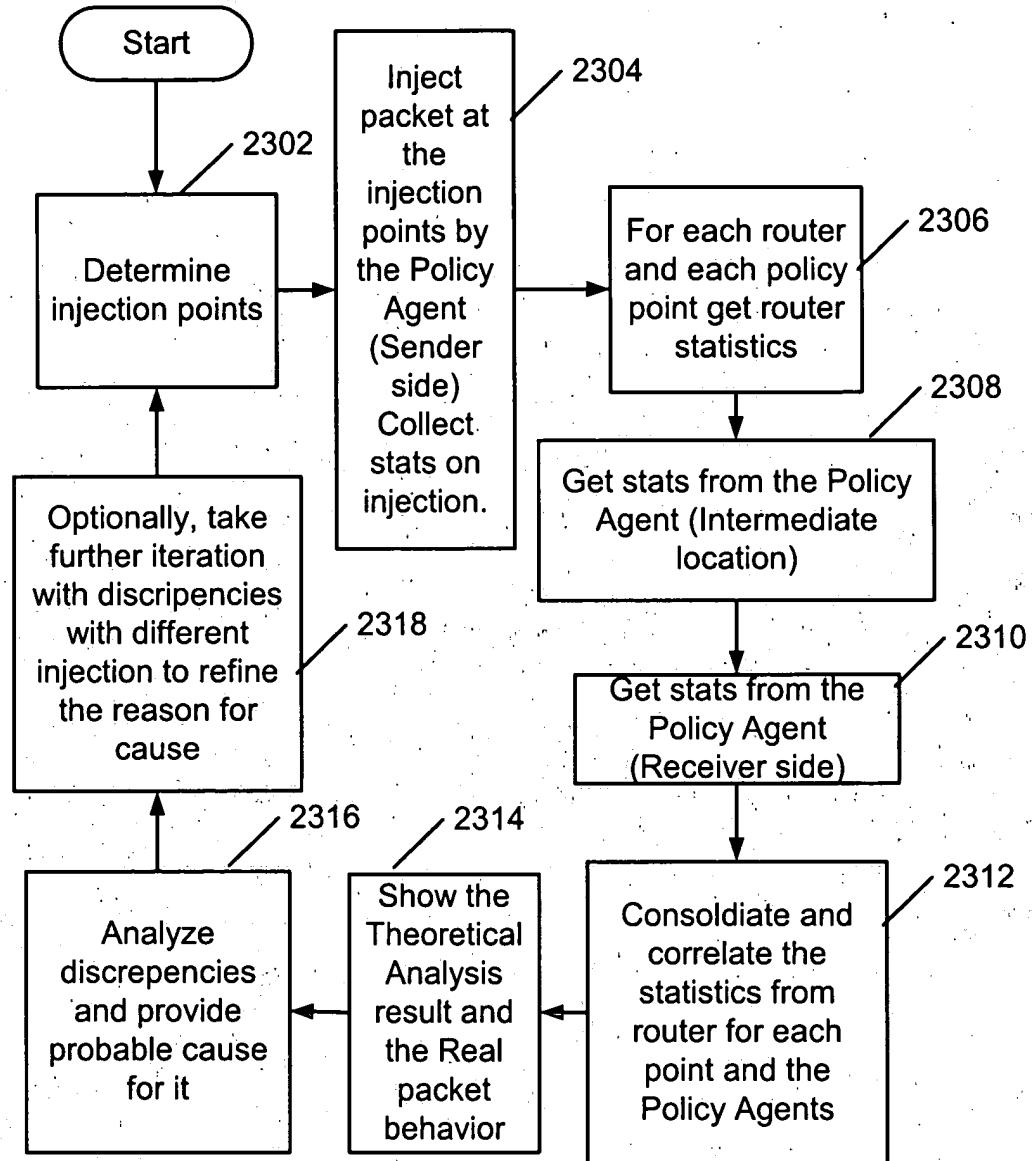
**Fig. 20**

Packet/Flow	Point Analysis at Router X
A1	PR1 and PR4 matched. PR1 is in effect. PR4 is eclipsed due to precedence.
A2	PR2 and PR4. PR2 is in effect. PR4 is eclipsed due to precedence.
A3	PR4 is in effect
A4	PR4 is in effect
A5	PR3 and PR4 matched. PR3 is in effect due to precedence.

**Fig. 21**

Packet/Flow	Traffic Group	Policy Rules In Effect
A1	Belongs to TG1	PR1
A2	Belongs to TG2	PR2, PR4
A3	Belongs to TG4	PR4
A4	Belongs to TG4	PR4
A5	Belongs to TG3	PR3

**Fig. 22**



**Fig. 23**